PALLENT COOPERATION TREAT.

To:

From the	INTE	RNA	TIONAL	BUREAL
----------	------	-----	--------	--------

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

United States Patent and Trademark Office (Box PCT)

Crystal Plaza 2 Washington, DC 20231 ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year)

05 December 1996 (05.12.96)

in its capacity as elected Office

International application No.
PCT/US96/06705

Applicant's or agent's file reference
CR9715B

Priority date (day/month/year)

International filing date (day/month/year)
10 May 1996 (10.05.96)
Priority date (day/month/year)
12 May 1995 (12.05.95)

Applicant

LAFFEND, Lisa, Anne et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	22 November 1996 (22.11.96)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).
:	-

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

H. Zhou

Telephone No.: (41-22) 730.91.11

P, ENT COOPERATION TREAT.

NOTIFICATION CONCERNING SUBMISSION OF PRIORITY DOCUMENTS

PCT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

FLOYD, Linda, A.
E.I. du Pont de Nemours and Company
Legal Patent Records Center
1007 Market Street
Wilmington, DE 19898
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year)
- 29 January 1997 (29.01.97)

Applicant's or agent's file reference

CR9715B

IMPORTANT NOTIFICATION

International application No. PCT/US96/06705

International filing date (day/month/year) 10 May 1996 (10.05.96) Priority date (day/month/year) 12 May 1995 (12.05.95)

Applicant

E.I. DU PONT DE NEMOURS AND COMPANY et al

The applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to the following application(s):

Priority application No:

Priority date:

Priority country:

Date of receipt of priority document:

08/440,293

12 May 1995 (12.05.95)

US

10 May 1996 (10.05.96)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

F. Gateau

Telephone No.: (41-22) 730.91.11

Facsimile No.: (41-22) 740.14.35

001376467



PCT

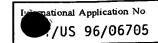
INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification o	f Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
CR9715B	ACTION	(Earliest) Priority Date (day/month/year)
International application No.	International filing date(day month year)	
PCT/US 96/06705	10/05/96	12/05/95
Applicant		
E. I. DU PONT DE NEMOURS	AND COMPANY et al.	
according to Article 18. A copy is being	•	nority and is transmitted to the applicant
This international search report consists X It is also accompanied by a cop	of a total of sheets. by of each prior art document cited in this repo	ort.
Certain claims were found unse	archable (see Box I).	
2. Unity of invention is tacking (Se	ee Box II).	
3. X The international application c international search was carrie	ontains disclosure of a nucleotide and/or amino d out on the basis of the sequence listing	acid sequence listing and the
X file	ed with the international application.	
fu	but not accompanied by a statement to matter going beyond the disclosure in the	the effect that it did not include
т	anscribed by this Authority	\',
		()
	e text is approved as submitted by the applicar e text has been established by this Authority to	
	e text has been established by the treatment	
5. With regard to the abstract,	e text is approved as submitted by the applica	nt
	te text has been established, according to Rule ox III. The applicant may, within one month fearch report, submit comments to this Authorical	38.2(b), by this Authority as it appears in rom the date of mailing of this international
6. The figure of the drawings to be pu		None of the figures.
	s suggested by the applicant.	I House of the uparasi
	ecause the applicant failed to suggest a figure. ecause this figure better characterizes the inver	ntion.

INTERNATIONAL SEARCH REPORT





A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C12N15/60 C12P7/18
C12N1/19 C12N15/79

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Further documents are listed in the continuation of box C.

C12N9/88 C12N15/74

C12N1/21

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12P C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEMICAL ABSTRACTS, vol. 118, no. 7, 15 February 1993 Columbus, Ohio, US; abstract no. 56047, DANIEL, ROLF ET AL: "Growth temperature-dependent activity of glycerol dehydratase in Escherichia coli expressing the Citrobacter freundii dha regulon" XP002010809 see abstract & FEMS MICROBIOL. LETT. (1992), 100(1-3), 281-5 CODEN: FMLED7; ISSN: 0378-1097,	1,3,5,7, 9,10,19, 33
	-/	

"A" document defining the general state of the art which is not considered to be of particular relevance	or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the
'O' document referring to an oral disclosure, use, exhibition or other means	document is combined with one or more other such docu- ments, such combination being obvious to a person skilled in the art.
'P' document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
22 August 1996	0 3. 09, 96
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Delanghe, L

Form PCT/ISA/210 (second sheet) (July 1992)

1

Special categories of cited documents:

Patent family members are listed in annex.

"T" later document published after the international filing date

INTERNATIONAL SEARCH REPORT



International Application No

C.(Continua Category* X	Citation of document, with indication, where appropriate, of the relevant passages CHEMICAL ABSTRACTS, vol. 116, no. 9, 2 March 1992 Columbus, Ohio, US; abstract no. 82153, TONG, I TEH ET AL: "1,3- Propanediol production by Escherichia coli expressing genes from the Klebsiella pneumoniae dha regulon" XP002010810 see abstract & APPL. ENVIRON. MICROBIOL. (1991), 57(12), 3541-6 CODEN: AEMIDF; ISSN: 0099-2240, CHEMICAL ABSTRACTS, vol. 120, no. 11, 14 March 1994 Columbus, Ohio, US;	1,3-10, 13, 19-21, 23,33
X	CHEMICAL ABSTRACTS, vol. 116, no. 9, 2 March 1992 Columbus, Ohio, US; abstract no. 82153, TONG, I TEH ET AL: "1,3- Propanediol production by Escherichia coli expressing genes from the Klebsiella pneumoniae dha regulon" XP002010810 see abstract & APPL. ENVIRON. MICROBIOL. (1991), 57(12), 3541-6 CODEN: AEMIDF; ISSN: 0099-2240, CHEMICAL ABSTRACTS, vol. 120, no. 11, 14 March 1994	1,3-10, 13, 19-21, 23,33
	2 March 1992 Columbus, Ohio, US; abstract no. 82153, TONG, I TEH ET AL: "1,3- Propanediol production by Escherichia coli expressing genes from the Klebsiella pneumoniae dha regulon" XP002010810 see abstract & APPL. ENVIRON. MICROBIOL. (1991), 57(12), 3541-6 CODEN: AEMIDF; ISSN: 0099-2240, CHEMICAL ABSTRACTS, vol. 120, no. 11, 14 March 1994	13, 19-21, 23,33
X	14 March 1994	1 2
	abstract no. 126576, OTTO, KARIN ELIZABETH: "Cloning and characterization of the propanediol dehydratase genes in Salmonella typhimurium" XP002010811 see abstract & (1992) 77 PP. AVAIL.: UNIV. MICROFILMS INT., ORDER NO. DA9238983 FROM: DISS. ABSTR. INT. B 1993, 53(8), 3921,	1,2
X	CHEMICAL ABSTRACTS, vol. 118, no. 17, 26 April 1993 Columbus, Ohio, US; abstract no. 167540, BOENIGK, RAINER ET AL: "Fermentation of glycerol to 1,3- propanediol in continuous cultures of Citrobacter freundii" XP002010812 see abstract & APPL. MICROBIOL. BIOTECHNOL. (1993), 38(4), 453-7 CODEN: AMBIDG; ISSN: 0175-7598,	1,3,5,7,
Α	WO,A,91 15590 (HENKEL KGAA ;BIOTECHNOLOG	1
X	FORSCHUNG GMBH (DE)) 17 October 1991 see claims	19
Α	EP,A,O 361 082 (HENKEL KGAA ;BIOTECHNOLOG	1
X	FORSCHUNG GMBH (DE)) 4 April 1990 see claims	19
A	WO,A,93 25696 (AGRONOMIQUE INST NAT RECH ;BORIES ANDRE (FR); CLARET CAROLE (FR)) 23 December 1993	1
X	see claims	19

1

INTERNATIONAL SEARCH REPORT

on on patent family members

In ational	Application No	
/US	96/06705	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO-A-9115590	17-10-91	DE-A-	4010523	10-10-91
EP-A-0361082	04-04-90	DE-A- DE-A- JP-A- US-A-	3829618 3924423 3065192 5254467	15-03-90 31-01-91 20-03-91 19-10-93
W0-A-9325696	23-12-93	FR-A- EP-A-	2692281 0648273	17-12-93 19-04-95